

REPORT DOCUMENTATION PAGE

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Dr. Genevieve Haddad
Program manager
AFOSR
110 Duncan Ave, Suite B115
Bolling Air Force Base
Washington, DC 20332-0001

Oct. 7, 1997

Dear Dr. Haddad:

This letter is to serve as a final report re the 1996 meeting of the Society for Research on Biological Rhythms (SRBR), held in Amelia Island Florida May 8-12. Also enclosed is a list of participants and the booklet that contains the program and abstracts for the meeting.

First let me express gratitude on the part of the SRBR for the support provided by the AFOSR for the meeting and more generally for research on chronobiology. The society, even as it continues to grow, is nevertheless only a decade old and does not have many resources to support its meetings and journal publishing. The support of the AFOSR has been crucial in allowing this field of biomedical research to flourish, attract public as well as scientific attention and continue on its trajectory toward a mature scientific discipline.

Even a casual perusal of the program should convince one of the breadth and depth of the program. Not only are all the basic science approaches to this field represented at the meeting but the applications of chronobiological principles to the work place and in medicine also receive attention. It is a strength of the society, as reflected in the program, that basic and applied scientists, as well as clinicians commingle and learn from each other.

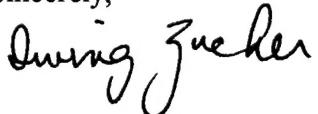
Among the features of the meeting worthy of note are the first time appearance of tutorial sessions for graduate and postdoctoral fellows as well as investigators interested in entering new fields of inquiry. At the 1996 meeting the formal models used in chronobiology were enunciated as were the principles of photobiology and the use of genetic and molecular approaches that have come to play an important part in this field. A second innovation was the "news at 4" feature in which program chairs presented brief synopses of the high points of their sessions. Because there were parallel sessions through much of the meeting this afforded an opportunity for people who were unable to attend a particular session to get an overview of the main points made by the speakers.

The symposia organized for this meeting well reflect the interests of the society membership and illustrate the breadth of the enterprise represented by work of society members. Not only is there concern with the basic clockworks underlying mammalian and particularly human rhythm generation and entrainment, but also a focus on basic processes in non-mammalian model systems. There are few areas of current biology where principles elaborated from invertebrate and even plant model systems apply so well to mammalian systems.

The list of participants at this meeting included most of the luminaries and influential investigators in the field of chronobiology. There was overall satisfaction expressed with the meeting both at the business meeting and privately to me. This is in large part due to the efforts of the program committee, ably chaired by William Schwartz. The funds provided by the AFOSR were extremely useful to the meeting organizers and facilitated dissemination of information among participants and permitted worthy individuals who otherwise might not have been able to participate to attend the conclave.

If you need additional information not covered in this letter don't hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Irving Zucker".

Irving Zucker

Professor of Psychology and Integrative Biology

Past president of the SRBR

1996 List of Attendees - SRBR Meeting

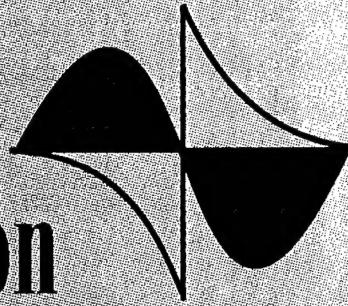
Abe, Hiroshi
Abdelmonem, Reda
Acebo, Christine
Adachi, Akihito
Albers, Elliott
Allen, David
Ancoli-Israel, Sonia
Anderson, Carol
Anderson, Janis L.
Andretic, Rozi
Antle, Mike
Aoki, Setsuyuki
Aquilar-Roblero, Raul
Arbogast, Jonathan
Arendt, Josephine
Bae, Helen
Ball, Gregory F.
Balzer, Ivonne
Barrett, R. Keith
Bell-Pedersen, Deborah
Ben-Shlomo, Rachel
Benloucif, Susan
Bernard, Daniel
Besharse, Joseph C.
Best, Jonathan D.
Biello, Stephany M.
Biggs, Kevin R.
Bittman, Eric
Blanchard, Jane
Block, Gene D.
Blood, Susan
Bobrzynska, Kasia
Boivin, Diane
Bolinger, Matthew A.
Borer, Katarina T.
Bossert, Jennifer M.
Boulos, Ziad
Boverhof, Josh
Bradbury, Margaret J.
Brandenberger, Gabrielle
Brody, Stuart
Buxton, Orfeu M.
Cahill, Gregory M.
Caldelas, I.
Calman, Bruce
Campagnaro, Paul
Campbell, Scott S.
Campione, Jill
Capone, Douglas
Card, J. Patrick
Carrier, Julie
Carskadon, Mary A.
Cassone, Vincent M.
Chen, Dong
Chen, Yuzhong
Cho, Hyeseon
Chua, Katrin
Clark, Paul
Cleaver, Brian D.
Cole, Roger J.
Colecchia, Edidio F.
Colepicolo, Pio
Costa, Rudi
Cramer, Hannah
Cutler, David J.
Czeisler, Charles A.
D'Amico, Louis
Darrow, Janet
Davis, Fred
Davis, Tamela
De Groot, Marleen
DeBroyne, Jason
DeCoursey, Patricia J.
Delagrange, Philippe
Demas, Gregory
Diez-Noguera, Antoni
Dijk, Derk-Jan
Ding, Jian M.
Dinges, David F.
Dudek, F. Edward
Dudley, Thomas E.
Duffy, Jeanne F.
Dumont, Marie
Duncan, Marilyn J.
Dunlap, Jay C.
Dwyer, Suzanne
Earnest, David J.
Ebihara, Shizufumi

Edelstein, Kim
Edery, Isaac
Edgar, Dale M.
Edmonds, Kent
Edmunds, Leland N.
Eisensamer, Brigitte
El-Bakry, Hanan
Elliott, Alan
Elliott, Jeffrey
Emery, Hette F.
Escobar, C.
Eskin, Arnold
Fagan, Thomas F.
Faiman, Lia
Farr, Lynne A.
Fine, Jacqueline
Fleissner, Gerta
Fleissner, Gunther
Follett, Brian K.
Foster, Russell G.
Friesen, W. Otto
Fuentes-Pardo, Beatriz
Gatzewich, Kate
Ge, Yi-Rong
Gekakis, Nick
Geusz, Michael
Giebultowicz, Jadwiga M.
Gillespie, Rickie
Gillette, Martha
Glass, J. David
Goldman, Neil
Golombek, Diego
Gooch, Van
Gorman, Michael R.
Grace, Michael S.
Grainey, Alicia
Green, Carla B.
Grel, Namni
Guardiola, Beatrice
Guido, Mario E.
Guillemette, Josee
Gundell, Alex
Gvakharia, Barbara O.
Gwinner, Eberhard
Haddad, Genevieve
Hall, Adam
Hamada, Toshiyuki
Hansen, Elizabeth L.
Hao, Haiping
Hardin, Paul
Harrington, Mary E.
Hasegawa, Minoru
Hattar, Samer
Hébert, Marc
Heideman, Paul D.
Helfrich-Forster, Charlotte
Herndon, Mary
Hery, Francis
Herzog, Erik
Hoffmaster, Roselle
Hofstetter, John
Honma, Ken-Ichi
Honma, Sato
Hudson, David
Huhman, Kim L.
Hunt, Amanda E.
Hunter, Elizabeth
Hunter-Ensor, Melissa
Hurst, Bill
Iglesia, Horacio O. de la
Illnerova, Helena
Ishida, Norio, N.
Ishiura, Masahiro
Iwasaki, Hideo
Jackson, F. Rob
Jacobshagen, Sigrid
Jewett, Megan E.
Jilge, Burghart
Johnson, Carl
Kas, Martien
Kashon, Michael L.
Kay, Steve A.
Kazlausky, Thomas
Kelly, Mary E.
Khalsa, Sat Bir S.
Kittrell, Melanie W.
Klein, David
Klerman, Elizabeth B.
Krajnak, Kristine M.
Kreps, Joel A.
Kriegsfeld, Lance
Kronauer, Richard
Kumar, Himanshu
Kutsuna, Shinsuke

Kyriacou, C.P.
Kyriashkina, Liana
Labyak, Susan E.
Lafrance, Chantal
Lakin-Thomas, Patricia L.
Lederhendler, Israel
Lee-Love, Theresa
Lehman, Michael
LeSauter, Joseph J.
Li, Liming
Lindgren, Kristen
Lindsley, Gila
Liu, Chen
Loros, Jennifer J.
Loudon, Andrew
Lu, Jun
Lue, Franklin A.
Luning, Klaus
Lynch, G. Robert
Maccari, S.
Macchi, M. Mila
Maggiore, Valeria Della
Mangels, Robert
Manivannan, Kandiah
Marchant, Elliott
Maxey, Marjorie
Mayeda, Aimee
Maywood, Liz
McClung, C. Robertson
Meeks-Wagner, Ry
Menaker, Michael
Merrow, Martha W.
Meyer-Bernstein, E. L.
Mintz, Eric M.
Mistlberger, Ralph E.
Mittag, Maria
Monk, Timothy H.
Moore, Robert Y.
Morcol, Tulin
Moreira, Lucio Flavio
Mori, Tetsuya
Morin, Larry
Mrosovsky, Nicholas
Mrugala, Maciej M.
Murphy, Helen M.
Murphy, Patricia J.
Nadzam, George R.
Nagappan, Periakaruppan
Neher, Iris
Nikaido, Selene
Noakes, Hal
Novak, Colleen M.
Nunez, Tony
Ortiz, Astrid A.
Osgood, David
Osterbur, David
Nelson, R.
Ouyang, Yan
Page, Terry
Parry, Barbara L.
Pat-Horenczyk, Ruth
Patten, Christopher
Pecoraro, Norm
Penev, Plamen D.
Petrovich, Tamara
Pickard, Gary
Piechulla, Birgit
Pierce, Mary E.
Piggins, Hugh D.
Pohl, Hermann
Powell, Kendall S.
Prasad, Asha
Prendergast, Brian J.
Prosser, Rebecca A.
Puchalski, Wolfgang
Pyza, Elzbieta
Quintero, Jorge
Ralph, Martin
Redlin, Uwe
Redman, Jenny
Refinetti, Roberto
Rehman, Jales
Rietveld, Wop J.
Rivkees, Scott A.
Roenneberg, Till
Rollag, Mark D.
Romero, Maria-Teresa
Romero, Russell
Rosato, Ezio
Rosenwasser, Alan
Rosbash, Michael
Ruby, Norman F.
Rusak, Benjamin
Rutila, Joan E.

Sai, Jiqing
Sanger, Brooke M.
Satinoff, Evelyn
Schwartz, William J.
Seghal, Amita
Sharp, Daniel C.
Shimomura, Kazuhiro
Shinohara, Mari L
Siaud, Philippe
Silver, Rae
Sisk, Cheryl
Siwicki, Kathleen King
Skene, Debra J.
Sloan, Mark
Smale, Laura
Small, Gillian
Song, Kay
Speh, Joan C.
Sridaran, Sridar
Staknis, Dave
Stephan, Friedrich K.
Stern, Edra
Straume, Martin
Strayer, Carl
Strother, Wendy N.
Sylvester, Christopher J.
Takahashi, Joseph
Takeda, Makio
Tate, Barbara
Tcheng, Thomas K.
Thomas, Kelwyn H.
Thrun, Lori A.
Tischkau, Shelley
Toma, Daniel P.
Torner, Carlos
Tosini, Gianluca
Townson, Ian
Turek, Fred W.
Umezu, Toyoshi
Underwood, Herbert
Valentinuzzi, Veronica S.
van der Beek, E.M.
Van Cauter, Eve
Van Reeth, Olivier
Warren, Wade
Weaver, David R.
Weber, E. Todd
Wee, Beth
Wehr, Thomas A.
Weibel, Lawrence
Weitz, Charles
Whitfield-Rucker, Melissa
Whittaker, Joseph A.
Wideman, Cyrilla H.
Wirz-Justice, Anna
Wise, Sarah
Wollnik, Franziska
Woolum, John C.
Xu, Yao
Yaglom, Julia
Yamazaki, Shin
Yannielli, Paola C.
Yarom, Yosef
Yoshimura, Takashi
Young, Mike
Youngstrom, Timothy G.
Yurasits, James A.
Zafarullah, Khaja
Zatz, Martin
Zee, Phyllis
Zeitzer, Jamie M.
Zlomanczuk, Piotr
Zucker, Irving

Fifth Meeting Society for Research on Biological Rhythms



May 8-12, 1996
Amelia Island Plantation
Jacksonville, Florida, USA

General Information

The Society for Research on Biological Rhythms (SRBR) is committed to 1) promoting the advancement of scientific research in all aspects of biological rhythms and 2) fostering interdisciplinary communication. The submitted contributions, symposia, and tutorials to be held at the fifth SRBR meeting have been organized with these goals in mind.

Meeting Site

Amelia Island Plantation, located 30 miles northeast of Jacksonville, Florida, consists of 1250 acres of palmetto, pine and live oak forests, undisturbed primeval marshlands, towering sand dunes and one of the widest white-sand beaches on the Atlantic Coast. A 22,500 square-foot Executive Meeting Center provides meeting space for up to 500 people. Amelia boasts of its excellent food, service and entertainment in addition to its outstanding recreational and meeting facilities.

Climate

The average daily high temperature in May is 29°C (85°F) and the average low temperature is 18°C (64°F).

Program Committee

Dale Edgar	Till Roenneberg
Russell Foster	William Schwartz, Chair
Ken-ichi Honma	Kathleen Siwicki
Steve Kay	Irene Tobler
G. Robert Lynch	

Organizing Committee

Irving Zucker	Mary R. Herndon
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Meeting Schedule

Meeting packets will be available at the SRBR registration booth from 12:00 to 19:00 on Wednesday, May 8th. The meeting will begin with an opening reception at 19:00 on May 8th. There will be a banquet on Saturday, May 11th.

Housing and Transportation

Housing accommodations and transportation from and to the airport are being handled by Amelia Island Plantation. To guarantee accommodations, housing forms must be sent to Amelia Island Plantation, Group Reservations Department, P.O. Box 3000, Amelia Island, FL 32035-1307, by April 8, 1996.

Registration and Fees

Early Registration:

Postmarked by February 9, 1996

Regular SRBR Members	\$150.00
Non-SRBR Members	\$200.00
Student Members	\$100.00
Student Non-Members	\$125.00
Guest Registration	\$80.00

Late Registration:

Postmarked after February 9, 1996

Regular SRBR Members	\$175.00
Non-SRBR Members	\$225.00
Student Members	\$125.00
Student Non-Members	\$150.00
Guest Registration	\$100.00

Student rates apply to registrants who will not have received their Ph.D. or M.D. degree at the time of the meeting. Registered participants and guests are invited to an opening reception, evening social activities and banquet.

Registration form and fees should be forwarded to:

Society for Research on Biological Rhythms
Gilmer Plaza
University of Virginia
Charlottesville, VA 22903

For additional information write to the above address or FAX your request to (804) 982-4505.

Travel Fellowships

It is anticipated that a limited number of graduate student/postdoctoral fellow travel grants will be awarded. To be considered, students/fellows must be presenting authors of a submitted abstract and must check appropriate box on abstract form.

Program Overview

Slide and Poster Presentations

These sessions feature contributions by authors of submitted abstracts, covering the latest findings in rapidly developing areas of basic, clinical, and applied rhythms research.

Three concurrent slide sessions will be held from 08:30 to 10:30 on each meeting day from Thursday, May 9 to Saturday, May 11. From 16:00 to 16:30 each day, session chairs will make brief oral reports, summarizing the morning highlights for all meeting participants.

Two poster sessions will be scheduled from 20:00 into the evening on Thursday, May 9 and Friday, May 10.

Rules for the preparation and submission of abstracts, along with the appropriate forms, are included in this announcement.

SRBR Tutorials: From PCR to PRC

These educational sessions are intended to be classroom lessons on basic concepts and techniques in rhythms research. Prerequisites are ignorance but a desire for learning. Three concurrent tutorials will be held from 16:30 to 18:00 on Thursday, May 9.

Essentials of Photobiology

R. Foster, Imperial College of Science, Technology and Medicine

The Formalisms

G. Block, University of Virginia

Genetic and Molecular Strategies

J. Dunlap, Dartmouth Medical School

The Presidential Symposium

Remarkable advances are being made in the molecular, cellular, and systems biology of endogenous timekeeping, and this plenary session emphasizes the implications of these discoveries for understanding how organisms adapt to natural environments. The two-part session will be held from 16:30 to 18:00 on Friday, May 10 and Saturday, May 11 and chaired by I. Zucker, University of California, Berkeley:

Adapting to Life on a Rotating World

D. Capone, University of Maryland

T. Roenneberg, University of Munich

C.P. Kyriacou, University of Leicester

M. Menaker, University of Virginia

P. DeCoursey, University of South Carolina

T. Wehr, National Institute of Mental Health

Symposia

Two concurrent symposia held from 11:00 to 13:00 on each meeting day will feature invited speakers presenting their work on topics of broad interest.

Thursday, May 9

Green with Envy: Circadian Clocks in Photosynthesizers

*S. Kay, Chair, University of Virginia
M. Ishiura, Nagoya University
C. Johnson, Vanderbilt University
M. Mittag, University of Munich
(additional speaker unconfirmed)*

Building a Suprachiasmatic Nucleus from Multiple Oscillators

*K. Honma, Chair, Hokkaido University
S. Honma, Hokkaido University
R. Silver, Barnard College
D. Welsh, Harvard Medical School
(additional speaker unconfirmed)*

Friday, May 10

Vertebrate Eye Clocks

*G. Cahill, Chair, University of Houston
C. Green, University of Kansas
M. Pierce, SUNY at Syracuse
G. Tosini, University of Virginia
H. Underwood, North Carolina State University*

Practical Circadian Biology in the Clinic and the Workplace - A Symposium Jointly Sponsored with the Society for Light Treatment and Biological Rhythms

*D. Edgar, Chair, Stanford University
J. Arendt, University of Surrey
D. Dinges, University of Pennsylvania
E. van Cauter, University of Chicago
A. Wirz-Justice, Psychiatric University Clinic, Basel*

Saturday, May 11

Oscillating Molecules and Cells of *Drosophila*

*K. Siwicki, Chair, Swarthmore College
C. Helfrich-Forster, Botanical Institute, Tübingen
F.R. Jackson, Worcester Foundation
C. Weitz, Harvard Medical School
(additional speaker unconfirmed)*

New Views of Seasonality

*G.R. Lynch, Chair, University of Colorado
M. Duncan, University of Kentucky
E. Gwinner, Max-Planck Institut
A. Loudon, University of Manchester
I. Zucker, University of California, Berkeley*

Abstract Preparation and Submission

Rules for Submitting Abstracts

An individual may appear as first author on only one abstract. Scientific material presented at this meeting should not have been published at the time of submission and should not have been presented at other national or international meetings.

Preparation of Abstracts

1. All abstracts must be typed single spaced and text must fit within the box on the form provided. Your abstract will be reproduced exactly as you submit it. Use only a clean electric typewriter ribbon or high-quality computer printer.
2. Beginning in the top left-hand corner, type the entire title in upper case letters. Do not underline the title. Underline the names of all the authors. The presenting author's name should be listed first. Type the address of the laboratories in which the work was performed.
3. Leave one line blank before beginning the text. Indent 3 spaces at the beginning of each paragraph. Use abbreviations only where necessary. Except when using standard abbreviations, an abbreviation should be spelled out the first time it is used.
4. Indicate on the abstract form whether you wish your presentation to be considered for a slide or poster session. The Program Committee, however, reserves the right to assign the submitted abstract to either a poster or slide session. Slide presentations will last 10 minutes with a 5 minute discussion period.

Travel Information

Amelia Island Plantation is only 29 miles(35 minutes)from the Jacksonville International Airport. Amelia Island Plantation provides professional ground transportation service between the Jacksonville International Airport and Amelia Island Plantation. Arrangements must be made 24 hours in advance. For ground transportation reservations, call 800-874-6878 or 904-277-5920 from 6:00 a.m. to 11:00 p.m.. When reserving please identify group name (SRBR).

Transportation cost of \$30.00 round trip per person will be billed to your individual Resort Account. Taxi service cost is \$45 one way.

If you are driving, take I-95 to Exit 129, the Fernandina Beach/Callahan Exit, turn east on Highway A1A, and follow the signs to the Amelia Island Parkway, which leads to the Plantation. -

Special arrangements have been made with American Airlines and USAir to be the "Official" airlines for the SRBR meeting. For guests and attendees of the conference, a special 5% discount off the supersaver fare or a special 10% discount off the regular coach fare will be available. To take advantage of these special fares, travel to Jacksonville, FL must occur between May 4 - 15, 1996 and arrangements must be made through Ms. Judy Craig or Ms. Cindy Chesler at Enterprise Travel (identify group name (SRBR)). Phone toll-free at: 1-800-388-7500 or (804) 293-9138. Please note: To secure best rates you must book early. Tickets purchased for flights requiring a Saturday night stay are non-refundable

Mailing Instructions for Abstracts

1. Do not fold abstract. Use cardboard backing in the package to avoid damage in the mail. Submissions from countries other than the U.S. or Canada should be marked Air Mail.
2. Complete both sides of Program Confirmation Card (first author's name and address on one side, abstract title on the other). U.S. authors must affix proper postage. This card will be returned to inform the authors of date, time, and form of presentation.
3. Mail original abstract plus five copies and Program Confirmation Card to:

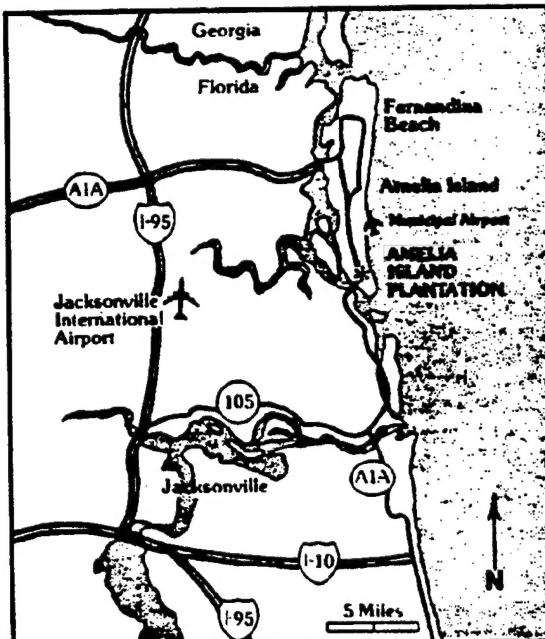
Society for Research on Biological Rhythms

Gilmer Plaza

University of Virginia

Charlottesville, VA 22903 USA

Abstracts must be postmarked by February 9, 1996.



DEADLINE DATES

February 9, 1996 - Abstract submission and Early Registration. Mail to: Society for Research on Biological Rhythms, Gilmer Plaza, University of Virginia, Charlottesville, VA 22903 USA

April 8, 1996 - Housing Requests. Mail to: Amelia Island Plantation, Group Reservation Dept., P.O. Box 3000, Amelia Island, FL 32035-1307 USA